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PATENT ABSTRACTS OF JAPAN

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(30) Priority:	28.03.88 JP 63 71816	(71) Applicant: SHOWA SHELL SEKIY
(43) Date of application publication:	21.12.89	(72) Inventor: SUZUKI GIICHI HAGIWARA TAKASHI AIHARA YOSHIHIKO
(84) Designated contracting states:		(74) Representative:

(54) LIQUID CRYSTAL
SUBSTANCE HAVING
HETEROCYCLIC
SKELETON

(57) Abstract:

NEW MATERIAL: A compound expressed by formula I (R1 and R2 are 1-20C alkyl; A and B are Ph, Cy, Ph-Cy or Cy-Ph or further A is Ph-Ph or Cy-Cy; Ph is formula V; Cy is formula VI; X is fluoroalkyl; Y and Z are OCO, COO, OCH2 or CH2O).

EXAMPLE: 4'-(5-Octylpyrimidinyl-2)-phenyl 4-(1-fluoromethylnonyloxy-carbonyl) benzoate.

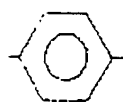
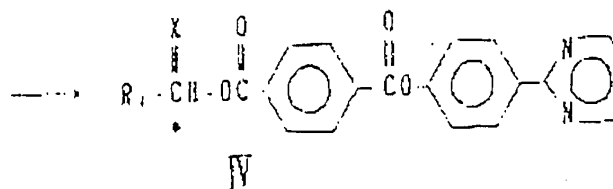
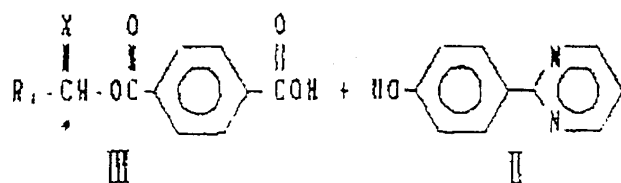
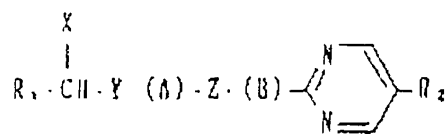
USE: A chemically and photochemically stable liquid crystal substance, having great dielectric anisotropy, capable of providing a recognized liquid crystal phase assuming tristable state and exhibiting electroclinic effects and high-speed responsiveness with great spontaneous polarization and good

orientation properties.

PREPARATION: 4-

Benzyloxybenzonitrile and terephthalic acid are used as respective starting materials to provide compounds expressed by formulas II and III, which are then esterified to afford the compound expressed by formula IV in formula I.

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